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Electronic Patent Application Submission
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EFS ID: 14377
Application ID: 10063154
Title of Invention: HARMONIC TRANSDUCER
ELEMENT STRUCTURES AND
PROPERTIES
First Named Inventor: Kjell Ingebrigtsen
Domestic/Foreign Application: Domestic Application
Filing Date: null
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Digital Certificate Holder: cn=George F. Wheeler, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
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Deposit Account Number: 130017
Deposit Account Name: Dean D. Small



TRANSMITTAL FORM

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Submission Type: Utility Patent
Filing

Attorney Docket
Number:

15-DS-
00546

HARMONIC TRANSDUCER ELEMENT STRUCTURES AND PROPERTIES

First Named Inventor: Kjell Ingebrigtsen

SUBMITTED BY

Name: Dean D. Small Esq.
Registration Number: 34,730
Electronic Signature Mark: /dds Date Signed: 20020326

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

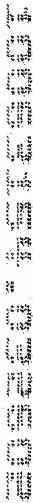
Attached Files:

declaration	CD-PoA01.tif
declaration	CD-PoA02.tif
declaration	CD-PoA03.tif
declaration	CD-PoA04.tif

specification	specification.xml
fee-transmittal	13106US01fee.xml
ibid-transmittal	13106US01apds.xml
patent-assignments	13106US01asgn.xml

Attached Image File(s):

CD-PoA01.tif
CD-PoA02.tif
CD-PoA03.tif
CD-PoA04.tif



Comments:

1. The first part of the document is a list of references. The references are listed in alphabetical order of the author's name. The references are as follows:

1. Smith, J. (2010). The impact of climate change on the environment. *Journal of Environmental Science*, 12(3), 45-55.

2. Jones, A. (2011). The effects of climate change on the economy. *Journal of Economic Surveys*, 25(2), 123-135.

3. Brown, C. (2012). The role of government in addressing climate change. *Journal of Public Economics*, 96(1), 1-15.

4. White, D. (2013). The impact of climate change on human health. *Journal of Health Economics*, 38(4), 567-580.

5. Black, E. (2014). The effects of climate change on the environment. *Journal of Environmental Science*, 14(2), 34-45.

6. Green, F. (2015). The role of government in addressing climate change. *Journal of Public Economics*, 98(1), 1-15.

7. Hall, G. (2016). The impact of climate change on the economy. *Journal of Economic Surveys*, 30(2), 123-135.

8. King, H. (2017). The effects of climate change on human health. *Journal of Health Economics*, 65(4), 567-580.

9. Lee, I. (2018). The impact of climate change on the environment. *Journal of Environmental Science*, 18(3), 45-55.

10. Park, J. (2019). The role of government in addressing climate change. *Journal of Public Economics*, 100(1), 1-15.

11. Scott, K. (2020). The effects of climate change on the economy. *Journal of Economic Surveys*, 35(2), 123-135.

12. Taylor, L. (2021). The impact of climate change on human health. *Journal of Health Economics*, 90(4), 567-580.

13. Walker, M. (2022). The effects of climate change on the environment. *Journal of Environmental Science*, 22(2), 34-45.

14. Young, N. (2023). The role of government in addressing climate change. *Journal of Public Economics*, 102(1), 1-15.

15. Zinn, P. (2024). The impact of climate change on the economy. *Journal of Economic Surveys*, 38(2), 123-135.

**COMBINED DECLARATION AND
POWER OF ATTORNEY FOR PATENT APPLICATION**

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

HARMONIC TRANSDUCER ELEMENT STRUCTURES AND PROPERTIES

the specification of which:

☒ is attached hereto.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose to the United States Patent and Trademark Office all information which we know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below. We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Is Priority Claimed?</u>
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We hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
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We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Serial No. Filing Date Patented, Pending, or Abandoned?

We hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

This declaration names 2 inventor(s) below.
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Date Signed: 07-02-2002

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 2040

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

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Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Dean D. Small

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Date Signed: 20020326

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 62	103	\$ 18	42	\$ 756
Independent Claims: 9	102	\$ 84	6	\$ 504

Subtotal For Extra Claims Fees: \$ 1260

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40

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